

## **General Disclaimer**

### **One or more of the Following Statements may affect this Document**

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.
- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.
- This document is paginated as submitted by the original source.
- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

E7.5 - 1 0.3 0 0.

CR142844

INVESTIGATION OF SKYLAB DATA

EREP No. 472-2

October 1974

"Made available under NASA sponsorship  
in the interest of early and wide dis-  
semination of Earth Resources Survey  
Program information and without liability  
for any use made thereof."

Principal Investigations Management Office

Lyndon B. Johnson Space Center

Clayton Forbes

(E75-10300) INVESTIGATION OF SKYLAB DATA  
Monthly Progress Report, Oct. 1974 (Michigan  
State Univ.) 4 p HC \$3.25 CSCL 09D

N75-25247

Unclas

G3/43 00300

Lester V. Manderscheid

Michigan State University

Monthly Plans and Progress Report

Contract NAS 9-13332  
Monthly Plans and Progress Report  
October 1974

Activity was minimal while delivery of S-192 data was  
awaited.

Subcontract Report #1 Prime NAS 9-13332 attached.

Attachment:

104600-25-L  
5 November 1974

Skylab Support  
Progress Report, October 1974

Subcontract #1 Prime NAS9-13332

Jon D. Erickson - Principal Investigator (ERIM)

Contract Principal Investigator  
Dr. Lester V. Manderscheid  
Michigan State University  
East Lansing, Michigan 48823

104600-25-L

Skylab Support  
Progress Report, October 1974

The following report serves to report progress for October 1974 on Subcontract #1 of contract NAS9-13332. The financial reports for this contract are being submitted under separate cover.

The objective of this subcontract is to support the Skylab EREP effort of Michigan State University by: 1) performing standard recognition processing and producing recognition maps and area counts, 2) assisting in the analysis and interpretation of the recognition maps and other extracted information, 3) further developing and adapting, for use on Skylab EREP data, methods for estimating proportions of unresolved objects, and 4) applying proportion estimation techniques to one frame of EREP data to determine to what extent the accuracy of crop acreage estimates is improved.

During the previous three months, we had performed some analysis on the S-192 data set of the Michigan Test Site, which had been provided through ERIM's EOS systems study. The results of this effort showed that the data product we were working with, which is an interim data product only, exhibited a very small dynamic range in the data, such that differences in signals between object classes are close to or less than the basic quantizing level on the data tape. Such data severely limits any analysis effort. Therefore, it was decided to suspend processing on the interim data product and await the arrival of the final EREP data product which, it is hoped, will be far more viable for processing.

Prepared by: Richard F. Nalepka  
Richard F. Nalepka  
Research Engineer

Submitted by: Jon D. Erickson  
Jon D. Erickson  
Principal Investigator

Approved by: Richard R. Legault  
Richard R. Legault  
Director  
Infrared & Optics Division

dd